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Apr 11, 1995

DERWENT-ACC-NO: 1995-175612

DERWENT-WEEK: 199523

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TITLE: Collagen fibre prepn., useful for haemostatic material for surgery - is
prepd. by washing spun-collagen thread material with water contg. alcohol

PATENT-ASSIGNEE:

ASSIGNEE

MITSUBISHI RAYON CO LTD

CODE

MITR

PRIORITY-DATA: 1993JP-0127789 (May 6, 1993)

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PATENT-FAMILY:

PUB-NO

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LANGUAGE

PAGES

MAIN-IPC



JP 07097714 A

April 11, 1995

006

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APPLICATION-DATA:

PUB-NO

APPL-DATE

APPL-NO

DESCRIPTOR

JP 07097714A

April 28, 1994

1994JP-0111899

INT-CL (IPC): A61 L 15/16; D01 D 5/06; D01 F 4/00

ABSTRACTED-PUB-NO: JP 07097714A

BASIC-ABSTRACT:

Prepn. of a collagen fibre comprises regenerating solubilised collagen to mfr. the collagen fibre. Collagen thread material, which is coagulated and regenerated by discharging the acidic soln. of the solubilised collagen into an aq. conc. salt soln. through a spinneret, is washed with water contg. 30-90 vol.% of alcohol at 10-40 deg.C.

Pref. alcohol is isopropanol. Solubilised collagen is a collagen treated with enzyme or alkali. Acidic soln. of the solubilised collagen is a chloric acid acidic soln. of 0.5-10 wt.% of collagen concn., 1.5-5.0 pH and 0-35 deg.C temp. Aq. concn. salt soln. is aq. soln. of at least one of NaCl, KCl, NH4Cl, Na2SO4 and (NH3)2SO4, having more than 60% concn. w.r.t. satd. soln. concn. and 10-40 deg.C temp.

USE/ADVANTAGE - Fibre is useful for haemostatic material in surgical area. Collagen is obtd. stably by spinning method, and residual salts and impurities except collagen is sufficiently removed and foreign substances reduced. Also fibre has physiological active action and high haemostatic performance, and is suitable for haemostatic material providing improved handling of haemostatic treatment.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: COLLAGEN FIBRE PREPARATION USEFUL HAEMOSTATIC MATERIAL SURGICAL PREPARATION WASHING SPIN COLLAGEN THREAD MATERIAL WATER CONTAIN ALCOHOL

DERWENT-CLASS: A11 A96 B04 D22 F01 P34

CPI-CODES: A03-C01; A11-B15C; A12-S05L; B04-N02; B14-F08; D09-C; F01-C08C; F01-D10; F04-E04;

CHEMICAL-CODES:

Chemical Indexing M1 *01*

Fragmentation Code

M423 M720 M903 N134 N164 N421 N511 N512 N513 R04
V751

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0271U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 017 ; R24034 G3714 P0599 D01 F70 ; S9999 S1070*R Polymer Index
[1.2] 017 ; ND07 ; ND01 ; N9999 N6882 N6655 ; N9999 N6995 N6962 ; N9999 N6655*R ;
B9999 B4535 ; B9999 B4466*R ; Q9999 Q8026 Q7987

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1995-081594

Non-CPI Secondary Accession Numbers: N1995-137733

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